

## EAST Search History

|     |       |                                                                                                                                         |                                                          |     |    |                  |
|-----|-------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----|----|------------------|
| L10 | 3     | L2 and L5                                                                                                                               | .US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L11 | 994   | 348/552.ccls.                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | OR  | ON | 2007/08/21 13:37 |
| L12 | 876   | (record\$3 with (connect\$3 near2 information)).clm.                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | OR  | ON | 2007/08/21 13:37 |
| L13 | 2     | L11 and L12                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | OR  | ON | 2007/08/21 13:37 |
| L14 | 91    | (record\$3 near3 device).clm.<br>(transmi\$5 near3 device).clm.<br>(receiv\$3 near3 device).clm.<br>(connect\$3 near3 information).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | AND | ON | 2007/08/21 13:37 |
| L15 | 0     | L11 and L14                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | OR  | ON | 2007/08/21 13:37 |
| L16 | 28315 | (communication near3 information).clm.                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | OR  | ON | 2007/08/21 13:37 |
| L17 | 2435  | 455/414.1.ccls.                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | OR  | ON | 2007/08/21 13:37 |
| L18 | 351   | L16 and L17                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | OR  | ON | 2007/08/21 13:37 |
| L19 | 43    | L16 and L11                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | OR  | ON | 2007/08/21 13:37 |

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|     |       |                                                                                                                                         |                                                         |     |    |                  |
|-----|-------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----|----|------------------|
| L20 | 0     | L14 and L19                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L21 | 3     | L14 and L18                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L22 | 91    | (record\$3 near3 device).clm.<br>(transmi\$5 near3 device).clm.<br>(receiv\$3 near3 device).clm.<br>(connect\$3 near3 information).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/21 13:37 |
| L23 | 28315 | (communication near3 information).clm.                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L24 | 2435  | 455/414.1.ccls.                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L25 | 351   | L23 and L24                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L26 | 3     | L22 and L25                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L27 | 994   | 348/552.ccls.                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L28 | 43    | L23 and L27                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L29 | 876   | (record\$3 with (connect\$3 near2 information)).clm.                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |

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|     |         |                                                                                                                                         |                                                         |     |    |                  |
|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----|----|------------------|
| L30 | 2       | L27 and L29                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L31 | 2435    | 455/414.1.ccls.                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L32 | 91      | (record\$3 near3 device).clm.<br>(transmi\$5 near3 device).clm.<br>(receiv\$3 near3 device).clm.<br>(connect\$3 near3 information).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/21 13:37 |
| L33 | 3       | L31 and L32                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L34 | 876     | (record\$3 with (connect\$3 near2<br>information)).clm.                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L35 | 20      | L32 and L34                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L36 | 0       | L22 and L28                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L37 | 3       | L34 and L31                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L38 | 0       | L27 and L22                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L39 | 1749626 | rece\$5.clm.                                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |

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|     |        |                                                                                                                                         |                                                         |     |    |                  |
|-----|--------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----|----|------------------|
| L40 | 26395  | (record\$3 with (connect\$5)).clm.                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L41 | 643496 | transmi\$5.clm.                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L42 | 6595   | L40 L41 L39                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/21 13:37 |
| L43 | 26395  | (record\$3 with (connect\$5)).clm.                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L44 | 91     | (record\$3 near3 device).clm.<br>(transmi\$5 near3 device).clm.<br>(receiv\$3 near3 device).clm.<br>(connect\$3 near3 information).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/21 13:37 |
| L45 | 2435   | 455/414.1.ccls.                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L46 | 28315  | (communication near3 information).clm.                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L47 | 351    | L46 and L45                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L48 | 28315  | (communication near3 information).clm.                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L49 | 2435   | 455/414.1.ccls.                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |

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|     |         |                                                                                                                                         |                                                         |     |    |                  |
|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----|----|------------------|
| L50 | 351     | L48 and L49                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L51 | 994     | 348/552.ccls.                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L52 | 876     | (record\$3 with (connect\$3 near2 information)).clm.                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L53 | 26395   | (record\$3 with (connect\$5)).clm.                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L54 | 643496  | transmi\$5.clm.                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L55 | 1749626 | rece\$5.clm.                                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L56 | 6595    | L53 L54 L55                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/21 13:37 |
| L57 | 2435    | 455/414.1.ccls.                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L58 | 994     | 348/552.ccls.                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L59 | 91      | (record\$3 near3 device).clm.<br>(transmi\$5 near3 device).clm.<br>(receiv\$3 near3 device).clm.<br>(connect\$3 near3 information).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/21 13:37 |

## EAST Search History

|     |      |                                                                                                                                         |                                             |     |    |                  |
|-----|------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----|----|------------------|
| L60 | 876  | (record\$3 with (connect\$3 near2 information)).clm.                                                                                    | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L61 | 876  | (record\$3 with (connect\$3 near2 information)).clm.                                                                                    | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L62 | 0    | L58 and L44                                                                                                                             | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L63 | 91   | (record\$3 near3 device).clm.<br>(transmi\$5 near3 device).clm.<br>(receiv\$3 near3 device).clm.<br>(connect\$3 near3 information).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/21 13:37 |
| L64 | 43   | L46 and L58                                                                                                                             | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L65 | 0    | L44 and L64                                                                                                                             | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L66 | 876  | (record\$3 with (connect\$3 near2 information)).clm.                                                                                    | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L67 | 43   | L48 and L51                                                                                                                             | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L68 | 0    | L63 and L67                                                                                                                             | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L69 | 2435 | 455/414.1.ccls.                                                                                                                         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR  | ON | 2007/08/21 13:37 |

## EAST Search History

|     |         |                                    |                                                         |     |    |                  |
|-----|---------|------------------------------------|---------------------------------------------------------|-----|----|------------------|
| L70 | 0       | L51 and L63                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L71 | 26395   | (record\$3 with (connect\$5)).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L72 | 1749626 | rece\$5.clm.                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L73 | 26395   | (record\$3 with (connect\$5)).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L74 | 643496  | transmi\$5.clm.                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L75 | 6595    | L71 L74 L72                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/21 13:37 |
| L76 | 3       | L60 and L57                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L77 | 3       | L57 and L59                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L78 | 20      | L59 and L60                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L79 | 2       | L58 and L61                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |

## EAST Search History

|     |    |                                                                                                                                         |                                                         |     |    |                  |
|-----|----|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----|----|------------------|
| L80 | 3  | L44 and L47                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L81 | 3  | L63 and L50                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L82 | 91 | (record\$3 near3 device).clm.<br>(transmi\$5 near3 device).clm.<br>(receiv\$3 near3 device).clm.<br>(connect\$3 near3 information).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/08/21 13:37 |
| L83 | 3  | L69 and L82                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L84 | 2  | L51 and L52                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L85 | 20 | L82 and L66                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |
| L86 | 3  | L66 and L69                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/08/21 13:37 |

**EAST Search History**

| Ref # | Hits | Search Query                | DBs                                                     | Default Operator | Plurals | Time Stamp       |
|-------|------|-----------------------------|---------------------------------------------------------|------------------|---------|------------------|
| L1    | 4597 | (hiroshi near2 tanaka).in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/21 13:03 |
| L2    | 517  | (Masahiro near2 terada).in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/21 13:03 |
| L3    | 83   | (yukihiro near2 kawada).in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/21 13:03 |
| L4    | 3    | L1 and L2 and L3            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/21 13:03 |

## INTERFERENCE SEARCH

**EAST Search History**

| Ref # | Hits    | Search Query                                                                                                                            | DBs                                         | Default Operator | Plurals | Time Stamp       |
|-------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------|---------|------------------|
| L1    | 876     | (record\$3 with (connect\$3 near2 information)).clm.                                                                                    | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/08/21 13:37 |
| L2    | 2435    | 455/414.1.ccls.                                                                                                                         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/08/21 13:37 |
| L3    | 3       | L1 and L2                                                                                                                               | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/08/21 13:37 |
| L4    | 1749626 | rece\$5.clm.                                                                                                                            | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/08/21 13:37 |
| L5    | 91      | (record\$3 near3 device).clm.<br>(transmi\$5 near3 device).clm.<br>(receiv\$3 near3 device).clm.<br>(connect\$3 near3 information).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2007/08/21 13:37 |
| L6    | 26395   | (record\$3 with (connect\$5)).clm.                                                                                                      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/08/21 13:37 |
| L7    | 643496  | transmi\$5.clm.                                                                                                                         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/08/21 13:37 |
| L8    | 6595    | L6 L7 L4                                                                                                                                | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2007/08/21 13:37 |
| L9    | 20      | L5 and L1                                                                                                                               | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/08/21 13:37 |